

a controller configured to:

identify differences between some of the plurality of images, the differences corresponding to movement of the tracking glove with respect to the illuminated portion of skin,

determine estimated position data for the tracking glove based in part on the identified differences, and

generate content based in part on the determined estimated position data; and

an electronic display configured to display the generated content to the user.

15. The system of claim **14**, wherein the controller is further configured to:

determine that the tracking glove has changed its configuration with respect to the user's hand based on the determined estimated positions, the configuration selected from a group consisting of: detachment of the tracking glove from the user's hand, slip of the tracking glove from the user's hand, and both detachment of the tracking glove from the user's hand and slip of the tracking glove from the user's hand.

16. The system of claim **15**, wherein responsive to determining that the glove has slipped from the user's hand, the controller is further configured to:

determine an offset between generated content associated with the movement of the tracking glove and a true pose of the user hand for compensating changes of the glove configuration.

17. The system of claim **15**, wherein responsive to determining that the tracking glove has detached from the user's hand, the controller is further configured to:

generate content indicating the tracking glove has lost contact with the user's hand for presentation.

18. The system of claim **14**, further comprising:

an additional illumination source configured to illuminate a portion of surface external to an exterior of the tracking glove;

an additional optical sensor configured to capture a plurality of images of the illuminated portion of the surface; and

the controller further configured to:

identify differences between some of the plurality of images, the differences corresponding to movement of the tracking glove with respect to the surface,

determine estimated position data for the finger based in part on the identified differences, and

determine one or more actions performed by the user associated with content presented to the user based in part on the movement of the tracking glove.

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